

US Application No. 09/852,659

Exhibit AAlignment of amino acid sequences for various Neurokinins B:

Clone HPMBQ91, Human Neurokinin B (Swiss-Prot entry No. Q9UHF0, Rat Neurokinin B (Genbank entry NM_019162, Bonner et al. 1987, IDS reference M), Mouse Neurokinin B (Genbank entry NM_009312, Kako et al. 1993, IDS reference N), Bovine Neurokinin B (Genbank entry AH001152, Kotani et al. 1986, IDS reference O).

		10	20	30	
1					HPMBQ91.PRO
1					human_NKB.PRO
1		S A M	A V	L	mouse_NKB.PRO
1		S T	A V	L S	bovine_NeuroB.PRO
1		S A M	A V	L	rat_NKB.PRO
		40	50	60	
31					HPMBQ91.PRO
31					human_NKB.PRO
30			L S K	S	mouse_NKB.PRO
31			K	S N	bovine_NeuroB.PRO
30			L S K	S	rat_NKB.PRO
		70	80	90	
56					HPMBQ91.PRO
56					human_NKB.PRO
57			V	K	mouse_NKB.PRO
61			M	K	bovine_NeuroB.PRO
57			V	K	rat_NKB.PRO
		100	110	120	
86					HPMBQ91.PRO
86					human_NKB.PRO
87			N S	T	mouse_NKB.PRO
91			N L	T	bovine_NeuroB.PRO
87			N S	T	rat_NKB.PRO
116					HPMBQ91.PRO
116					human_NKB.PRO
116					mouse_NKB.PRO
121			S V		bovine_NeuroB.PRO
116					rat_NKB.PRO

Decoration 'Decoration #1': Shade (with solid black) residues that match HPMBQ91.PRO exactly.